

LANMAS Users Group Meeting

LANL Physical Inventory Module

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LA-UR 11-02869

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Physical Inventory Module

- Item Monitoring
- PI Verification
- Tag Check
- PI All
- Stat Sample

The screenshot shows a web-based application window titled "Physical Inventory - (Server: SAFE4DEV1) - (Database: PISat) - (UserName: 093325)". The interface includes a menu bar with "File", "PI Admin", and "Help". On the left, a "Choose MBA Type" section has radio buttons for "MBAs" and "Group", and checkboxes for "All", "CMR", "TA-55 Vault", "TA-55 Floor", "MBA774", and "MBA899". The "Group" radio button is selected. The main area has tabs for "Item Monitoring", "PI Verification", "Tag Check", "PI All", and "Stat Sample". The "Statistical Option" section contains input fields for "Number of Item for Auto-Selection" (100), "Number of Internal Item" (100), and "Sample Size(Optional)" (empty), along with a checked checkbox for "Inventoryable Items". To the right, there are input fields for "Population" and "Sample Size", and a "Classification" dropdown menu set to "SRD Working Paper". Action buttons include "Select Items", "Export Excel", "Print Inv List", and "Save Inv List".

Item Monitoring

- **Random Selection based on statistical sampling method**
 - Weekly set of items
 - Random Selection based on predetermined population/sample size
- **Options**
 - Single MBA or Group of MBAs
 - Y/N - Inventoryable Items
 - Override Calculated Sample Size
 - Classification Level

PI Verification

- **Random list of items for Verification**

- **Options**
 - Single MBA or Group of MBAs
 - Y/N - Category Sampling
 - Override Sample Size

Tag Check

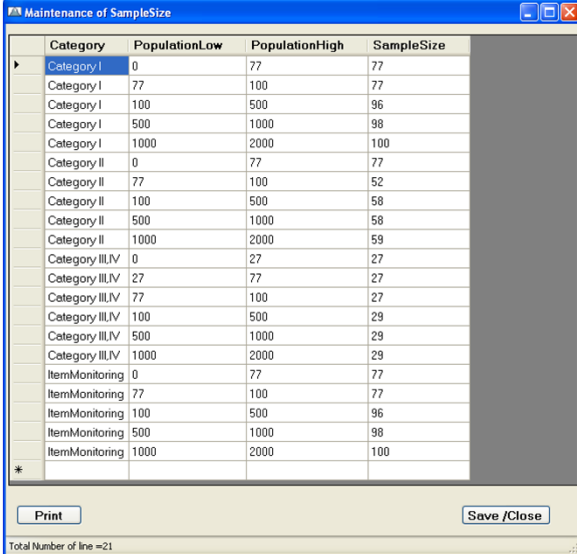
- **Selects 100% of Inventoryable items in selected accounts**
- **Options**
 - Single MBA or Group of MBAs
 - Y/N - Inner Items (Can display inner items if desired)
 - Y/N - Empty Locations
 - Y/N - Page by Location
 - Action Forms for required measurements

711-55/PF-4/Rm-125

Action	Loc Chk	Location	Label Chk	MBA MT	ItemName	SubMBA	Method	TID Chk	IDC	TID#/INTR	TIDApChk	ElemWt	NetWt	GrossWt	Comment	ActionFrm
		<input type="checkbox"/> 55/PF-4/Rm-125		<input type="checkbox"/> 711												
		<input type="checkbox"/> 55/PF-4/Rm-125/F125		<input type="checkbox"/> 711 39	GLSFF7	XO	G05	N29W				0.00	0.00			
		<input type="checkbox"/> 55/PF-4/Rm-125/F125		<input type="checkbox"/> 711 54	GLSFF7	UCON	G05	N29W		010246V		0.00	0.00			
		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 52	COMFF4	M1	G03	N67W				18.00	2.53			
I		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 39	LA00000055534	M1	M00	N29W				2.00	1.00			3043
I		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 39	LA00000055908	M1	M00	N55W				4.00	9.30			3045
I		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 54	LA00000055908	M1	M00	N55W				5.00	9.28			3044
		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 39	METPK4	CRM	G05	N55W				0.00	24.75			
		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 54	METPK4	FF	N02	N55W		010244V		4.00	4.75	23.82		
I		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 54	TESTMIX35	M1		C19K				12.00				3100
I		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 54	TESTMIX35A-RENAME2B	M1		C19K				55.00				3101
I		<input type="checkbox"/> 55/PF-4/Rm-125/F128		<input type="checkbox"/> 711 54	TESTMIX35B	M1		C19W				5.00				3102
		<input type="checkbox"/> 55/PF-4/Rm-125/G124		<input type="checkbox"/> 711 39	GLSFF6	M1	G05	N29W				0.00	4.43			
		<input type="checkbox"/> 55/PF-4/Rm-125/G124		<input type="checkbox"/> 711 54	GLSFF6	STF	G05	N29W		010248V		0.00	4.43			

PI All

- **Selects 100% of Inventoryable items in selected accounts**
 - Combination of Tag Check and Verification
 - Random Selection based on predetermined population/sample size
- **Options**
 - Single MBA or Group of MBAs
 - Y/N - Category Sampling (Random Selection based on predetermined population/sample size)
 - Y/N - Inner Items
 - Y/N - Empty Locations
 - Y/N - Page by Location
 - Action Forms for required measurements or verification



Category	PopulationLow	PopulationHigh	SampleSize
Category I	0	77	77
Category I	77	100	77
Category I	100	500	96
Category I	500	1000	98
Category I	1000	2000	100
Category II	0	77	77
Category II	77	100	52
Category II	100	500	58
Category II	500	1000	58
Category II	1000	2000	59
Category III,IV	0	27	27
Category III,IV	27	77	27
Category III,IV	77	100	27
Category III,IV	100	500	29
Category III,IV	500	1000	29
Category III,IV	1000	2000	29
ItemMonitoring	0	77	77
ItemMonitoring	77	100	77
ItemMonitoring	100	500	96
ItemMonitoring	500	1000	98
ItemMonitoring	1000	2000	100


*
Total Number of line = 21

Stat Sample

- **Random list of items for Verification**
- **Options**
 - Single MBA or Group of MBAs
 - Category Sampling (Random Selection based on predetermined population/sample size)
 - Override Sample Size
 - Page by Location
 - Report Classification Level

Action Forms

- **Produced for:**
 - Items with invalid Measurement Code
- **Automation**
 - Carbon less paper for multiple copies
 - Minimize effort to produce
 - Minimize errors


Physical Inventory Action Form

Action Due Date: _____ **Date:** 5/6/2011
Form #: 3001

MBA: 711 **MT:** 44 **Mtrl Name:** 680-002a **IDC:** R092
SubMBA: EL **Location:** 55/PF-4/Rm-114 **Outermost Container:**

TID: _____ **Who Placed Form:** _____ / **Z Number** _____
Item Tagged for: Invalid Measure Method **Who Rec'd Form:** _____ / **Z Number** _____
Suggested Measurement Method: _____

	Book Value	Meas. Method	Inventory Value	Meas. Method	100 Sample (if applicable)	Meas. Method	Witness
Element Wt:	5.00						
Gross Wt:							
Tare Wt:							
Net Wt:	100.00 g						

GN-4 #: _____ **GN-4 Operators Name:** _____ / **Z Number** _____ **Date** _____

COMMENTS OR RECOMMENDED ACTION(S): _____

ACTION/MEASUREMENTS PERFORMED BY: **
 (#1) _____ / **Z Number** _____ **Date** _____
 (#2) _____ / **Z Number** _____ **Date** _____

COMPLETE BY: _____ / **Z Number** _____ **Date** _____
 (SAFE-4 APPROVAL)

* REVIEW FOR CLASSIFICATION AFTER FILLING OUT FORM
 ** ALL ITEMS MUST BE MEASURED UNDER 2-PERSON RULE BY TRAINED AND CERTIFIED PERSONNEL
 GLOVEBOX / ITEM LOCATION COPY

Summary

- Tweaking Physical Inventory module as required
- Allows Custodians to produce same listing as PIL for pre-inventory
- Significant time saving from previous method of producing PIL
- Actions forms are more automate and with carbonless paper more efficient
- Still a paper based system
- Working at further automation - bar-codes, Tablet PCs